## **EUROPEAN PATENT OFFICE**

## Patent Abstracts of Japan

PUBLICATION NUMBER

07065849

PUBLICATION DATE

10-03-95

APPLICATION DATE

01-02-93

APPLICATION NUMBER

05014842

APPLICANT: TERASAKI DENKI SANGYO KK;

INVENTOR: YAMAUCHI NORIYUKI;

INT.CL.

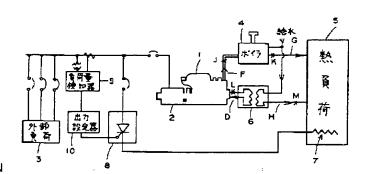
: H01M 8/04 F02G 5/00 F02G 5/04

F25B 27/02 H01M 8/00

TITLE

THERMOELECTRIC CO-GENERATION

SYSTEM



ABSTRACT: PURPOSE: To provide a thermoelectric co-generation system capable of operating a heat load in stable condition by controlling a heating means so that the sum of the heat amount which can be collected from the exhaust heat from a heat engine and the heat from a heating means by the heat load reaches a specified value.

> CONSTITUTION: The load of an external load 3 is detected by a load detector 9. When the heat amount capable of collecting the heat load 5 from a heat engine 1 is smaller than a specified limit, a power consumption of a heating means 7 is calculated so that the sum of the heat amount which can be collected from the exhaust heat from the heat engine 1 and the heat from a heating means 7 by the heat load 5 reaches a specified value based on the relationship between the load of a generator 2 stored in a memory in an output setting device 10 and the heat amount which can be collected from the heat engine 1 by the heat load 5. Then the heating means 7 is controlled according to the calculated results. Thus, when the exhaust heat amount produced from the heat engine 1 for driving the generator 2 according to a load needed by the external power is short, the shorted heat amount can be compensated with less loss and the heat load 5 can be operated in stable condition.

COPYRIGHT: (C)1995,JPO